

specifications

general

	VHF model PL2415; PL2215	UHF model PL2445; PL2245P
Frequency Range	148-174 MHz	450-490 MHz
Channels	4 (PL2415); 2 (PL2215)	4 (PL2445); 2 (PL2245P)
Channel Spacing	25 / 30 / 15 / 12.5 kHz	25 / 12.5 kHz
PLL Step	2.5 / 5 / 6.25 / 7.5 kHz	5.0 / 6.25 kHz
Channel Spread	26 MHz	40 MHz
Antenna Impedance	50 Ω	50 Ω
Operating Voltage	7.2V DC Nominal	7.2V DC Nominal
Battery Life (with 750 mAh NiMH battery)	11 Hours @ 2 W (90-5-5 duty cycle)	11 Hours @ 2 W (90-5-5 duty cycle)
(with optional 1350 mAh NiMH battery)	19 Hours @ 2 W (90-5-5 duty cycle)	19 Hours @ 2 W (90-5-5 duty cycle)
Operating Temperature	-22° F to +140° F (-30° C to +60° C)	
Frequency Stability (-30° C to +60° C)	± 5.0 ppm	± 5.0 ppm
Dimensions (H x W x D) (with battery)	4-7/8" x 2-1/4" x 1-1/4" (125 x 58 x 32 mm)	
Weight (with 750 mAh NiMH battery and antenna)	13.6 oz. (380 gm)	
FCC Identifier	Pending	Pending
FCC Compliance	Parts 22, 74, 80, 90	Parts 22, 74, 90, 95
IC Certification Number	Pending	Pending

features / functions

- 4 Channel, 2 Watt VHF model PL2415; UHF model PL2445
2 Channel, 2 Watt VHF model PL2215; UHF model PL2245P
- Programmable wide or narrow channel spacing
- Meets MIL-STD810F specifications
- 38 Standard, 11 non-standard CTCSS tones;
104 DCS tones
- Programmable two-tone decode
- Programmable scan
- Locking single-pin accessory connector
- TX Inhibit
- Time-out-timer
- Battery save circuitry
- Die-cast aluminum frame, polycarbonate cabinet
- Tri-color LED
- Spring steel belt clip
- Manufactured under ISO 9002 quality standards
- FCC Certified for use in U.S.A and its possessions



MIL-STD methods / procedures

The ProLine PL2415, PL2445, PL2215 and PL2245 meet the following:

Standard	810F Method / Procedure
Light Rain	506.4 / Proc. II
Humidity	507.4 / Proc. I
Dust	510.4 / Proc. I
Vibration	514.5 / Proc. I
Shock	516.5 / Proc. I, IV

receiver (measurement procedures made per ANSI/TIA/EIA-603)

Sensitivity	12 dB SINAD	.25 μ V @ 12.5 kHz; .28 μ V @ 25 kHz
Selectivity		>60 dB @ 12.5 kHz; >65 dB @ 25 kHz
Intermodulation		60 dB @ 12.5 kHz; 65 dB @ 25 kHz
Spurious Response		60 dB
Audio Output		500 mW (Int.) @ 8 Ω ; 500 mW (Ext.) @ 8 Ω (Method @ <10% THD level)

transmitter (measurement procedures made per ANSI/TIA/EIA-603)

RF Output	2 Watts	2 Watts
Spurious and Harmonic Emissions	60 dB	60 dB
Modulation	16K0F3E, 11K0F3E	
FM Hum and Noise	>34 dB @ 12.5 kHz; >40 dB @ 25 kHz	
Audio Distortion	<5%	<5%

Specifications are subject to change without notice.

accessories / options

Batteries: 750 mAh NiMH Battery pack (ACC-201); 1350 mAh NiMH Battery pack (ACC-202)

Antenna: VHF Antenna, 6", 148-174 MHz (ACC-115); UHF Antenna, 6", 450-490 MHz (ACC-145)

Charger: Single unit desktop "slow" charger (ACC-410)

Audio: Lapel speaker microphone with ear jack, locking connector (ACC-726)

Carrying: Leather case (ACC-302)

For more information, contact:



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